



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

Complete If Known

Application Number	10/721115
Filing Date	
First Named Inventor	
Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
D	AA	US- 4,982,738		01-08-1991	Griebel	
	AB	US- 5,275,159		01-04-1994	Griebel	
	AC	US- 5,671,733		09-30-1997	Raviv	
	AD	US- 5,782,240		07-21-1998	Raviv	
	AE	US- 5,792,067		08-11-1998	Karell	
	AF	US- 5,797,852		08-25-1998	Karakasoglu	
	AG	US- 5,853,005		12-29-1998	Scanlon	
	AH	US- 5,879,313		03-09-1999	Raviv	
	AI	US- 5,961,447		10-05-1999	Raviv	
	AJ	US- 6,045,514		04-04-2000	Raviv	
	AK	US- 6,120,441		09-19-2000	Griebel	
	AL	US- 6,168,568		01-02-2001	Gavriely	
	AM	US- 6,171,258 B1		01-09-2001	Karakasoglu	
	AN	US- 6,201,982 B1		03-13-2001	Menkes	
	AO	US- 6,213,955 B1		04-10-2001	Karakasoglu	
	AP	US- 6,261,238 B1		07-17-2001	Gavriely	
	AQ	US-Application Ser. No. 10/040937			Westbrook	
	AR	US-				
	AS	US-				
	AT	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code	Number ⁴	Kind Code ³ (if known)				
	AU							
	AV							
	AW							
	AX							
	AY							

Examiner Signature

Robert A. Lee

Date Considered

12/6/05

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet

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	AZ					
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		Examiner Name	
Sheet	3	of	6
		Attorney Docket Number	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	BC	AASM (AMERICAN ACADEMY OF SLEEP MEDICINE TASK FORCE). Sleep-related breathing disorders in adults: recommendations for syndrome definition and measurement techniques in clinical research. Sleep. 1999;22:667-689.	
	BD	A. BAR, et al. Evaluation of a portable device based on peripheral arterial tone for unattended home sleep studies. Chest. 2003;123:695-703.	
	BE	T. BOND. Evaluation and diagnosis of sleep-disordered breathing. Oral Maxillofacial Surg Clin N Am. 2002;14:293-296.	
	BF	C. BOOTH-THOMAS. The see-it-all chip. Time Magazine. 2003 Sept. 22;162(12). Downloaded as 5 pages from http://www.time.com/time/globalbusiness/printout/0,8816,485764,00.html on Oct. 22, 2003.	
	BG	R. CARTWRIGHT. What's new in oral appliances for snoring and sleep apnea: an update. Sleep Medicine Reviews. 2001;5:25-32.	
	BH	A.L. CHESSON, et al. Practice parameters for the indications for polysomnography and related procedures. Sleep. 1997;20:406-22.	
	BI	N.J. DOUGLAS. Home diagnosis of the obstructive sleep apnoea/hypopnoea syndrome. Sleep Med Rev. 2003;7:53-9.	
	BJ	R. FERBER, et al. Portable Recording in the Assessment of Obstructive Sleep Apnea. Sleep. 1994;17:378-392.	
	BK	K.A. FERGUSON. The role of oral appliance therapy in the treatment of obstructive sleep apnea. Clin Chest Med. 2003;24:355-364.	
	BL	W.W. FLEMONS. Home diagnosis of sleep apnea: a systematic review of the literature: an evidence review cosponsored by the American Academy of Sleep Medicine, the American College of Chest Physicians, and the American Thoracic Society. Chest. 2003;124:1543-79 and 14 pages of supplementary material published online.	
	BM	J.L. GOODWIN, et al. Feasibility of using unattended polysomnography in children for research -- report of the Tucson Children's Assessment of Sleep Apnea Study (TuCASA). Sleep. 2001;24:937-944.	
	BN	L. GROTE, et al. Therapy with nCPAP: incomplete elimination of sleep related breathing disorder. Eur Resp J. 2000;16:921-7.	
	BO	C.K. LI, W.W. FLEMONS. State of home sleep studies. Clin Chest Med. 2003;24:283-295.	
	BP	M.R. LITTNER, J.W. SHEPARD. Recommendations for research into measurement and classification of sleep disordered breathing: gazing into the crystal ball. Sleep. 1999;22:665-666.	
	BQ	N. MESLIER, et al. Validation of a suprasternal pressure transducer for apnea classification during sleep. Sleep. 2002;25:753-7.	

Examiner Signature		Date Considered	1/6/05
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Sheet 4 of 6	Attorney Docket Number		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	BR	N. NETZER, et al. Overnight pulse oximetry for sleep-disordered breathing in adults: a review. Chest. 2001;120:625-633.	
	BS	P.E. PEPPARD, et al. Prospective study of the association between sleep-disordered breathing and hypertension. N Engl J Med. 2000;342:1378-1384.	
	BT	S.F. QUAN, J.C. GILLIN. New definitions of sleep disordered breathing -- not yet a mandate for change in clinical practice. Sleep. 1999;22:662.	
	BU	S.D. ROSS, et al. Systematic review and meta-analysis of the literature regarding the diagnosis of sleep apnea. Sleep. 2000;23:519-532.	
	BV	N. TACHIBANA, et al. A comparison of sleep laboratory activity in the United States and Japan. Sleep. 2002;25(Suppl.):A47.	
	BW	M-L. WALKER-ENGSTROM, et al. 4-year follow-up of treatment with dental appliance or uvulopalatopharyngoplasty in patients with obstructive sleep apnea. Chest. 2002;121:739-746.	
	BX	T. YOUNG, et al. Estimation of the clinically diagnosed proportion of sleep apnea syndrome in middle-aged men and women. Sleep. 1997;20(9):705-6.	
	BY	T. YOUNG, et al. Epidemiology of obstructive sleep apnea: a population health perspective. Am J Respir Crit Care Med. 2002;165:1217-1239.	
	BZ	CATEGORY 1 FOLLOWS: USE OF SNORING SOUNDS IN DETECTING SLEEP DISORDERED BREATHING	
	BAA	J.H. FICKER, et al. Evaluation of a portable recording device (Somnocheck) for use in patients with suspected obstructive sleep apnoea. Respiration. 2001;68:307-12.	
	BBB	C.J. GRIFFITHS, et al. A video system for investigating breathing disorders during sleep. Thorax. 1991;46:136-140.	
	BCC	F.G. ISSA, et al. Digital monitoring of obstructive sleep apnea using snoring sound and arterial oxygen saturation. Sleep. 1993;16:S32.	
	BDD	F.G. ISSA, et al. Digital monitoring of sleep disordered breathing using snoring sound and arterial oxygen saturation. Am Rev Respir Dis. 1993;148:1023-1029.	
✓	BEE	A.W. McCOMBE, et al. An acoustic screening test for obstructive sleep apnea. Clinical Otolary. 1995;20:348-351.	
	BFF	T. PENZEL, et al. MESAM: a heart rate and snoring recorder for detection of obstructive sleep apnea. Sleep. 1990;13:175-182.	

Examiner Signature		Date Considered	12/6/01
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
B	BGG	Remmers sleep recorder, How to set up and use. Downloaded 2 pages on Oct. 31, 2003 from: www.comfortacrylics.com/appliance/resource/protocols/Remmers_instructions.pdf	
	BHH	Y. SIVAN, et al. Screening obstructive sleep apnoea syndrome by home videotape recording in children. Eur Respir J. 1996;9:2127-2131.	
	BII	Sleep Solutions Inc. NovaSom QSG Technology Summary. Downloaded 11 pages on July 21, 2002 from: http://www.sleep-solutions.com/phys/phys_novasom_qsg.htm	
	BJJ	SNAP Laboratories LLC. Downloaded 3 pages on July 21, 2002 from: (1) http://www.snaplab.com/home.htm (2) http://www.snaplab.com/mp_demo.htm (3) http://www.snaplab.com/mp_fact.htm	
	BKK	R. STOOHS, C. GUILLEMINAULT. Investigations of an automatic screening device (MESAM) for obstructive sleep apnea. Eur Respir J. 1990;3:823-829.	
	BLL	D.L. VAN BRUNT, et al. Intensity pattern of snoring sounds as a predictor for sleep-disordered breathing. Sleep. 1997;20:1151-1156.	
	BMM	J.E.S. WHITE, et al. The use of sound recording and oxygen saturation in screening snorers for obstructive sleep apnea. Clinical Otology. 1994;19:218-221.	
	BNN	CATEGORY 2 FOLLOWS: USE OF TRACHEAL BREATH SOUNDS IN DETECTING SLEEP-DISORDERED BREATHING	
	BOO	R.C. BECKERMAN, et al. Tracheal breath sounds for detection of apnea in infants and children. Critical Care Medicine. 1982;10:363-366.	
	BPP	J. CUMMISKEY, et al. The detection and quantification of sleep apnea by tracheal sound recordings. Am Rev Respir Dis. 1982;126:221-224.	
	BQQ	K.A. EAST, T.D. EAST. Computerized acoustic detection of obstructive apnea. Comput Meth Prog Biomedicine. 1985;21:213-220.	
	BRR	J.P. HEEMELS, et al. Tracheal sound detector. Med Biol Eng Comput. 1986;24:182-185.	
	BSS	W. HIDA, et al. Home sleep monitor for detecting apnea episodes by nasal flow and tracheal sound recordings. Tohoku J Exp Med. 1988;156(Suppl.):137-142.	
	BTT	W. HIDA, et al. Prevalence of sleep apnea among Japanese industrial workers determined by a portable sleep monitoring system. Respiration. 1993;60:332-337.	
	BUU	P.E. KRUMPE, J.M. CUMMISKEY Use of laryngeal sound recordings to monitor apnea. Am Rev Respir Dis. 1980;122:797-801.	

Examiner Signature	<i>[Signature]</i>	Date Considered	12/6/05
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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P	BVV	R.P. MARSH, et al. Recorder for assessment of upper airway disorders. Otolaryngol Head Neck Surg. 1983;91:584-585.	
	BWW	N. MESLIER, et al. Tracheal sound recordings detect and quantify sleep apnea, hypopnea and snores. Am Rev Respir Dis. 1986;113:A55.	
	BXX	J. PEIRICK, J.W. SHEPARD Jr. Automated apnoea detection by computer: analysis of tracheal breath sounds. Med Biol Eng Comput. 1983;21:632-635.	
	BYY	W.P. POTSIC. Relief of upper airway obstruction by adenotonsillectomy. Otolaryngol Head Neck Surg. 1986;94:476-480.	
	BZZ	W.P. POTSIC. Comparison of polysomnography and sonography for assessing regularity of respiration during sleep in adenotonsillar hypertrophy. Laryngoscope. 1987;97:1430-1437.	
	BAAA	A. SANNA, et al. Interet su suivi des bruits respiratoires tracheaux dans le diagnostic de dysrythmies respiratoires nocturnes. Acta Clinica Belgica. 1991;46:159-164	
	BBBB	A.J. WILLIAMS, et al. A new computer program for storage and analysis of sleep study data. FASEB Journal. 1988;2:A1511.	
	BCCC		
	BDDD		

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